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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/573,054	03/11/2008	Ziping Liu	101232-1P US	8965
22466 7590 01/07/2010 ASTRA ZENECA PHARMACEUTICALS LP GLOBAL INTELLECTUAL PROPERTY			EXAMINER	
			SHAMEEM, GOLAM M	
1800 CONCORD PIKE WILMINGTON, DE 19850-5437			ART UNIT	PAPER NUMBER
			1626	
			MAIL DATE	DELIVERY MODE
			01/07/2010	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/573,054	LIU ET AL.			
Office Action Summary	Examiner	Art Unit			
	Golam M. M. Shameem	1626			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	I. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on <u>06 Not</u> This action is FINAL . 2b) ☑ This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 1-5 and 8-16 is/are pending in the approach 4a) Of the above claim(s) 5,8,9 and 11-16 is/are 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-4 and 10 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	e withdrawn from consideration.				
Application Papers					
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the Replacement drawing sheet(s) including the correct and the correct of the contract	epted or b) objected to by the Eddrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail Da	nte			
(8) ☐ Information Disclosure Statement(s) (PTO/SB/08) 5) ☐ Notice of Informal Patent Application Paper No(s)/Mail Date 05/12/09; 04/07/09; 08/07/08; 04/10/08; 01/16/08; 6) ☐ Other:					

DETAILED ACTION

Priority

This application is a 371 of PCT/GB2004/004124 09/24/2004, and the claim of foreign priority under 35 U.S.C. § 119(a)-(d) to Sweden 0302573-1 09/26/2003 is acknowledged.

Status of Claims

Claims 1-5 and 8-16 are currently pending in the application. Claims 6 and 7 were previously canceled.

Receipt is acknowledged of amendment / response filed on November 06, 2009 and that has been entered.

Information Disclosure Statement

Receipt is acknowledged of Information Disclosure Statement (IDS), filed on 05/12/2009, which has been entered in the file.

Response to Election/Restriction

In response to the restriction requirements, Applicants have elected Group I [which includes claims 1-4, and 10], without traverse, drawn to a compound of formula I, and the elected species as set forth (Response, page 2), is acknowledged.

Claims 5, 8, 9, and 11-16 are withdrawn from further consideration pursuant to 37 C.F.R. 1.142 (b) as being drawn to a non-elected subject matter. Therefore, the requirement for restriction is still deemed proper.

Applicants preserve their right to file a divisional on the non-elected subject matter.

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As set forth in the restriction requirement and an election of a single compound (or set of

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compounds), the invention will encompass all compounds that fall within the scope of the search

is as follows:

A compound of the formula I wherein:

 R^1 is as claimed except C_{1-10} alkyl, C_{6-10} aryl,

 R^2 is as claimed except C_{1-10} alkyl, C_{6-10} aryl,

 R^3 is as claimed except C_{1-10} alkyl,

R⁴ is as claimed and all other variables are as defined.

As a result of the election and the corresponding scope of the compound identified,

claims 5, 8, 9, and 11-16 and the remaining subject matter of claims 1-4, and 10 are withdrawn

from further consideration pursuant to 37 CFR 1.142 (b) as being drawn to non-elected

inventions. The withdrawn subject matter of claims 5, 8, 9, and 11-16 is properly restricted as it

differs materially in structure and in element from the elected subject matter supra so as to be

patentably distinct there from.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form

the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4 and 10 are rejected under 35 U.S.C. § 102(b) as being anticipated by Kuhnke

et al (2001). Applicant claims substituted benzimidazole compounds, compositions and the

methods of use thereof. Kuhnke *et al* also disclose the synthesis of several substituted benzimidazole compounds and at least one of them anticipates the instantly claimed invention wherein R¹ is C₆₋₁₀aryl (Ph), R² is C₆₋₁₀aryl (Ph), R³ is C₁₋₁₀alkyl (n-Pr) and R⁴ is hydrogen [STN International, HCAPLUS database, RN number, 350233-20-4, a copy is provided with this Office action], which reads on the instantly claimed compound.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1-4, and 10, are rejected under the judicially created doctrine of obviousness-type double patenting, as being unpatentable over claims 1-2 of US 7,550,495 (US '495) since the claims, if allowed, would improperly extend the "right to exclude" already granted in the patent. Although the conflicting claims are not identical, they are not patentably distinct from each other because both sets of claims are drawn to the same art recognized subject matter. A reference anticipating one set of claims will render the other obvious and it would have been obvious to one of ordinary skill in the art at the time of the invention was made since US '495 patent teaches the generic compounds and compositions which are similar to the instantly claimed compounds.

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Claims 1-4, and 10, are rejected under the judicially created doctrine of obviousness-type double patenting, as being unpatentable over claims 1-4, and 10 of co-pending Application No. 10/572,825 (US '825), over claims 1-4, and 10 of co-pending Application No. 10/572,826 (US '826), over claims 1-8, and 13 of co-pending Application No. 12/466,415 (US '415), and also over claims 1-6 and 12 of co-pending Application No. 11/575,691 (US '691). Although the conflicting claims are not identical, they are not patentably distinct from each other because all sets of claims are drawn to the same art recognized subject matter. This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented. The compounds taught by co-pending applications are similar to instant application because a reference anticipating one set of claim will render the other obvious and it would have been obvious to one of ordinary skill in the art at the time of the invention was made since co-pending applications teach the generic compounds, compositions and their methods of use which are similar to the instantly claimed invention.

The subject matter claimed in the instant application is fully disclosed and covered in the co-pending Applications US '825, US '826, US '826, US '415 or US '691. Therefore, the disclosures of US '825, US '826, US '415 or US '691 that teach many permutation and combination substitutions, which would easily place Applicants invention in possession of the public at the time of Applicants invention was filed. The indiscriminate selection of "some" among "many" is *prima facie* obvious, *In re Lemin*, 141 USPQ 814 (1964). Therefore, in the instant case, one skilled in the chemical art would be motivated to choose to replace variable substitutions in permutation and combinations in core formula I to obtain the desired products in view of the known teaching of the art. The claimed compounds are so closely related structurally to the

homologous and /or analogous compounds of the reference as to be structurally obvious therefore, in the absence of any unobviousness or unexpected properties. Moreover, any other differences are but obvious structural modifications, which would be apparent to one skilled in the chemical art that can use similar substitutions, would expect to have the same or essentially the same results. Therefore, in looking at the instantly claimed compounds and their method of uses as a whole, the claimed compounds would have been suggested to one skilled in the art and therefore, is obvious, absent evidence to the contrary.

Objections

Claims 1-4, and 10 are objected to for containing non-elected subject matter. The claims should be amended to exclude non-elected subject matter and within the scope of elected compound.

Telephone Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Golam Shameem, Ph.D. whose telephone number is (571) 272-0706. The examiner can normally be reached on Monday-Thursday from 6:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph McKane, can be reached at (571) 272-0699. The Unofficial fax phone number for this Group is (703) 308-7921. The Official fax phone number for this Group is (571) 273-8300.

When filing a FAX in Technology Center 1600, please indicate in the Header (upper right) "Official" for papers that are to be entered into the file, and "Unofficial" for draft

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documents and other communications with the PTO that are not for entry into the file of the

application. This will expedite processing of your papers.

Communications via Internet e-mail regarding this application, other than those under 35

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U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be

addressed to [joseph.mcKane@uspto.gov]. All Internet e-mail communications will be made of

record in the application file. PTO employees will not communicate with applicant via Internet

e-mail where sensitive data will be exchanged or where there exists a possibility that sensitive

data could be identified unless there is of record an express waiver of the confidentiality

requirements under 35 U.S.C. 122 by the applicant. See the Interim Internet Usage Policy

published by the Patent and Trademark Office Official Gazette on February 25, 1997 at 1195 OG 89.

Any inquiry of a general nature or relating to the status of this application should be

directed to the Group receptionist, whose telephone number is (571) 272-1600.

/Golam M. M. Shameem/

Primary Examiner
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